

ABSTRACT OF THE DISCLOSURE

A chemical waste collection and disposal system for fluorescent lamps that allows for the safe collection and disposal of crushed or broken fluorescent lamps, while recovering substantially 100% of the hazardous mercury vapors contained within the lamps. A fluorescent lamp is inserted within a drum and broken into fragments by one or more blades, with the fragment falling to the bottom of the drum. The mercury vapors that are emitted from the broken fluorescent lamps are forced out of the drum by negative positive pressure created by a vacuum/filter assembly. Once through the filter assembly, which includes a HEPA filter and activated carbon filter, the gases are permitted to escape into the environment virtually 100% free of mercury toxins.

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